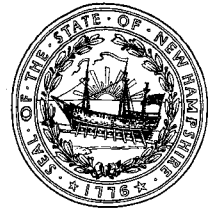




The State of New Hampshire
Department of Environmental Services



Michael P. Nolin
Commissioner

February 15, 2006

LETTER OF DEFICIENCY# WSEB 06-032
Certified Mail # 7099 3400 0003 6156 5897

Courtney Marshall
Sullivan County Nursing Home
5 Nursing Home Drive
Unity, NH 03743

Subject: Unity – Public Water System: Sullivan County Home (EPA# 2384010)

Dear Mr. Marshall:

The records of the NH Department of Environmental Services (DES) show that the Sullivan County Home water system is classified as a public water system (PWS), as defined by RSA 485:1-a. A PWS is defined as any water system supplying 15 or more services, or 25 or more people for 60 or more days per year. The Sullivan County Home distributes drinking water to which sodium hypochlorite has been added as a disinfectant to provide bacteriological protection to consumers. As a result, the water system is required to submit water samples for Total Trihalomethanes (TTHM) and Haloacetic Acids (HAA5) analyses to the State laboratory or a State-certified laboratory in compliance with NH Administrative Rule Env-Ws 382, *Disinfectant/Disinfection Byproducts Rule*. The cited rule (D/DBP rule) also requires the water system to conduct routine chlorine residual level monitoring at the same times and at the same locations in the distribution system as total coliform samples are collected.

Pursuant to Env-Ws 382.08(e)(1), the TTHM and HAA5 samples are required to be collected during the warmest period of the year. Thus, the Sullivan County Home has been scheduled to collect these samples during the third quarter (July – September). Since the water system collects monthly total coliform samples, it has been required to collect chlorine residual samples each month. The water system failed to collect the required TTHM, HAA5, and chlorine residual samples in the third quarter (Q3) of 2004. As a result, on January 4, 2005, the water system was issued a Notice of Violation (NOV) that addressed the Q3-2004 monitoring failures. The NOV requested that the missed TTHM and HAA5 samples be collected during Q3-2005.

DES records indicate that the water system failed to collect TTHM and HAA5 samples during Q3-2005, and it also again failed to report chlorine residual levels for both Q3 and Q4 of 2005.

DES believes the monitoring/reporting violations can be corrected and future violations prevented by taking the following actions:

1. **By March 10, 2006**, submit “make-up” water samples for TTHM and HAA5 analyses to the State laboratory or a State-certified laboratory, in accordance with Env-Ws 382. Please use the enclosed analysis request form, marked “Make-up Q3-2005 Sample” when submitting the sample to your laboratory; and

2. **By March 14, 2006**, provide public notice to consumers for the Q3 and Q4 2005 monitoring violations, and submit proof of public notice to this office following the guidelines on the enclosed public notice template; and
3. **By April 10, 2006**, submit to DES the required Q1-2006 "*D/DBP Quarterly Report*" listing the chlorine residual levels for January, February, and March 2006, as determined from samples collected concurrently with the system's monthly bacteria samples; and
4. **By July 10, 2006**, submit to DES the required Q2-2006 "*D/DBP Quarterly Report*" listing the chlorine residual levels for April, May, and June 2006, as determined from samples collected concurrently with the system's monthly bacteria samples; and
5. **By October 10, 2006**, submit to DES the required Q3-2006 "*D/DBP Quarterly Report*" listing the chlorine residual levels for July, August, and September 2006, **and TTHM and HAA5 results determined from samples collected during Q3-2006**; and
6. **By January 10, 2007**, submit to DES the required Q4-2006 "*D/DBP Quarterly Report*" listing the chlorine residual levels for October, November, and December 2006, as determined from samples collected concurrently with the system's monthly bacteria samples.

In the event compliance is not achieved within this period. DES may initiate formal action against the Sullivan County Home, including issuing an order requiring the deficiencies to be corrected, initiating an administrative fine proceeding, and/or referring the matter to the NH Department of Justice for imposition of appropriate penalties.

**All information as requested above should be addressed as follows
or faxed to (603) 271-5171:**

Alan Leach
Department of Environmental Services
Water Supply Engineering Bureau
29 Hazen Drive, PO Box 95
Concord, NH 03302-0095

To assist you in complying with the monitoring/reporting requirements, additional laboratory request forms and *D/DBP Quarterly Report* forms are enclosed. Please make additional copies of these forms as needed.

If you have any technical questions concerning the D/DBP rule requirements, please contact Richard Thayer at (603) 271-2950, or by e-mail at rthayer@des.state.nh.us. If you have any questions regarding the enforcement aspects of this letter, please contact Alan Leach at (603) 271-2854, or by e-mail at aleach@des.state.nh.us.

Sincerely,


Sarah Pillsbury, P.E., Administrator
Water Supply Engineering Bureau

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encl.: Public Notice Template
 Analysis Request Forms
 D/DBP Quarterly Report Forms

cc: Anthony Frazier, Sr., Primary Operator

cc w/o encl: Gretchen R. Hamel, DES Legal Unit Administrator
 Healthcare Facility Licensing Bureau, DHHS
 Richard Thayer, DES
 EPA, Region 1